D0 Status Report

Bill Lee
FNAL

All Experimenters' Meeting
1 November 2010

Significant Events

- Monday, 25 October
  - We thank the AD for adjusting the D0 beamspot.
  - Opportunistic Access to recover a few Calorimeter channels, a Level 1 Muon channel, and a silicon ladder.
- Friday, 29 October
  - A bad Calorimeter clock cable leads to a hole in the Calorimeter data.
  - D0 requested an access to fix the cable. In addition, a problematic preamp power supply was disabled.

Significant Events

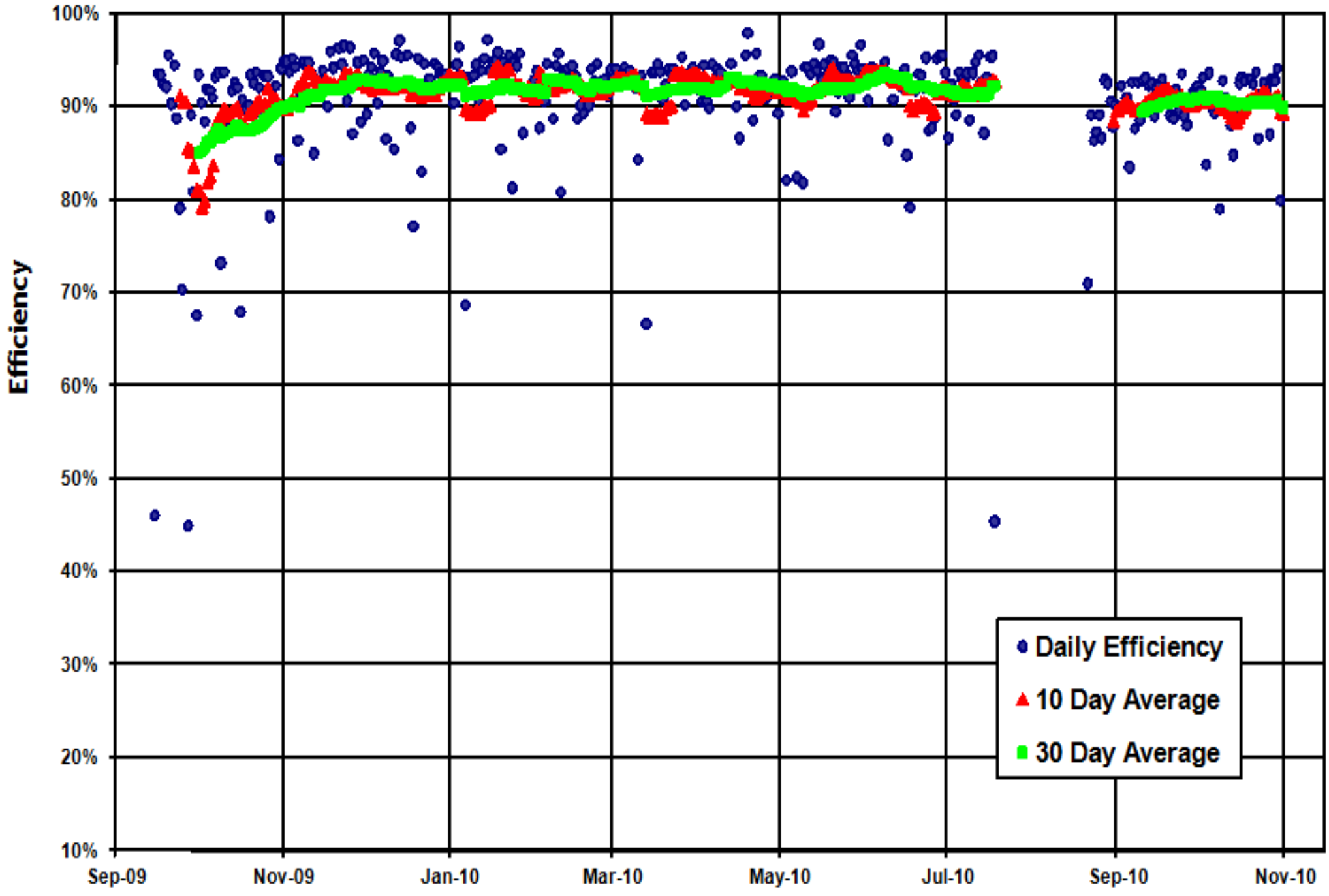
- Saturday, 30 October
  - At the start of store 8220, a low voltage power supply for our silicon failed causing us to be unable to readout a third of our silicon. Since this supply is inside the detector, we requested a long access for the next morning.
- Sunday, 31 October
  - We accessed from 0700-17:30.
    - The Silicon power supply was replaced
    - Two calorimeter pre-amp power supplies were recovered.
    - Five PDT front end boards were replaced.
    - A noisy blower was replaced.
  - We thank the AD for the access. We also thank the mechanical, electrical, and expert crews that came to work on a Sunday.

Data Taking

	Delivered Lum (pb^{-1})	Recorded Lum (pb^{-1})	Efficiency (%)	Comment
25 Oct	10.54	9.68	92	AD adjusts D0 beamspot. Opportunistic access.
26 Oct	9.46	8.23	87	80 minutes of downtime due to a problem with the Forward Muon/L1 Muon systems.
27 Oct	7.54	7.01	93	
28 Oct	6.33	5.85	92	
29 Oct	7.40	6.97	94	A bad clock cable causes a hole in the Calorimeter data. Requested access.
30 Oct	12.28	9.77 (5.20)	80 (42)	Silicon low voltage power supply failed. 8th best day for delivered luminosity.
31 Oct	5.04	4.49 (1.18)	89 (23)	Requested 10-12 hour access.
25-31 Oct	**58.6**	**52.0 (44.1)**	**89 (75)**	(Data taken with full detector)
October	**238.7**	**214.8**	**90**	7th best monthly delivered luminosity, 8th best monthly recorded luminosity

Daily Data Taking Efficiency

1 September 2009 - 31 October 2010



Run II Integrated Luminosity

19 April 2002 - 31 October 2010